Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/22/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125459	0	3.13	125500	3.20
Blue	F	SSC	125000	123407	-2	4.17	124311	4.19
Blue	E	FITC	14203	13709	-4	3.32	299	15.17
Blue	D	PE	25703	25296	-2	3.09	546	10.94
Blue	B	PerCP-Cy5-5	42104	41147	-3	3.79	923	14.74
Blue	A	PE-Cy7	34646	34209	-2	5.11	502	28.75
Red	C	APC	49824	49165	-2	3.12	1502	11.44
Red	A	APC-Cy7	39773	38951	-3	3.37	749	11.46
Violet	B	V450	7447	7047	-6	4.30	409	12.59
Violet	A	V500	31193	29754	-5	4.05	681	10.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21682	3.37	548	-8	N/A	N/A	Pass
Blue	F	SSC	54944	3.73	514	2	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0413	74	Pass
Blue	D	PE	109	37.53	485	0	0.3434	224	Pass
Blue	B	PerCP-Cy5-5	180	34.21	577	0	0.0188	0	Pass
Blue	A	PE-Cy7	114	63.28	622	2	0.0225	4	Pass
Red	C	APC	352	23.88	568	1	0.0281	103	Pass
Red	A	APC-Cy7	209	23.45	545	1	0.0065	561	Pass
Violet	B	V450	89	39.85	455	6	0.0440	1330	Pass
Violet	A	V500	119	28.70	473	6	0.0264	683	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.26	-32.02	0.97
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	21.12	15.99 - 23.99	N/A	N/A	30.42	30.60	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9880

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments